

The review of Automated Machine learning

He Xin¹ and Wang Zhichun²

Abstract—Test test testTest test testTest test testTest test test
Test test testTest test testTest test testTest test test

I. INTRODUCTION

As we all know([1]), deep learning, which has been used in a lot of research fields including image classification, image recognition, machine translation, has achieved remarkable achievements in those tasks. Take the image classification as an example, AlexNet () outperformed traditional computer vision methods on ImageNet (Russakovsky et al., 2015), which was in turn outperformed by VGG nets (Simonyan & Zisserman, 2015), then ResNets (He et al., 2016) etc.

II. METHODS

As we all know([1]), deep learning, which has been used in a lot of research fields including image classification, image recognition, machine translation, has achieved remarkable achievements in those tasks. Take the image classification as an example, AlexNet () outperformed traditional computer vision methods on ImageNet (Russakovsky et al., 2015), which was in turn outperformed by VGG nets (Simonyan & Zisserman, 2015), then ResNets (He et al., 2016) etc.

A. Bayesian Optimization

Test test testTest test testTest test testTest test test As we all know([1]), deep learning, which has been used in a lot of research fields including image classification, image recognition, machine translation, has achieved remarkable achievements in those tasks. Take the image classification as an example, AlexNet () outperformed traditional computer vision methods on ImageNet (Russakovsky et al., 2015), which was in turn outperformed by VGG nets (Simonyan & Zisserman, 2015), then ResNets (He et al., 2016) etc.

B. Gradient-based

Test test testTest test testTest test testTest test test As we all know([1]), deep learning, which has been used in a lot of research fields including image classification, image recognition, machine translation, has achieved remarkable achievements in those tasks. Take the image classification as an example, AlexNet () outperformed traditional computer vision methods on ImageNet (Russakovsky et al., 2015), which was in turn outperformed by VGG nets (Simonyan & Zisserman, 2015), then ResNets (He et al., 2016) etc.

C. Meta Learning

Test test testTest test testTest test testTest test test

As we all know([1]), deep learning, which has been used in a lot of research fields including image classification, image recognition, machine translation, has achieved remarkable

achievements in those tasks. Take the image classification as an example, AlexNet () outperformed traditional computer vision methods on ImageNet (Russakovsky et al., 2015), which was in turn outperformed by VGG nets (Simonyan & Zisserman, 2015), then ResNets (He et al., 2016) etc.

D. Evolutionary Algorithm

Test test testTest test testTest test testTest test test

As we all know([1]), deep learning, which has been used in a lot of research fields including image classification, image recognition, machine translation, has achieved remarkable achievements in those tasks. Take the image classification as an example, AlexNet () outperformed traditional computer vision methods on ImageNet (Russakovsky et al., 2015), which was in turn outperformed by VGG nets (Simonyan & Zisserman, 2015), then ResNets (He et al., 2016) etc.

E. Reinforcement Learning

Test test testTest test testTest test testTest test test
Test test testTest test testTest test testTest test test
Test test testTest test testTest test testTest test test

III. COMPARISON AND ANALYSIS

Test test testTest test testTest test testTest test test Test test
Test test testTest test testTest test testTest test test
Test test testTest test testTest test testTest test test

A. Units

Test test testTest test testTest test testTest test test Test test
testTest test testTest test testTest test test
Test test testTest test testTest test testTest test test
• Test test test
• Test test test

IV. CONCLUSIONS

Test test testTest test testTest test testTest test test
Test test testTest test testTest test testTest test test
Test test testTest test testTest test testTest test test

APPENDIX

Test test Test test testTest test testTest test testTest test test
Test test testTest test testTest test testTest test test

ACKNOWLEDGMENT

Test test testTest test testTest test testTest test test
Test test testTest test testTest test testTest test test Test test

REFERENCES

- [1] L. Xie and A. Yuille, "Genetic CNN," *arXiv:1703.01513 [cs]*, Mar. 2017, arXiv: 1703.01513. [Online]. Available: <http://arxiv.org/abs/1703.01513>